

Report of Analysis

Client:	PSEG	Date Collected:	05/05/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	05/05/25
Client Sample ID:	EO-01-050525	SDG No.:	Q1961
Lab Sample ID:	Q1961-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:35	05/07/25 9:54	PB167876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	47.7		2	2.54	4.31	mg/kg	FE053685.D
Aliphatic C9-C28	Aliphatic C9-C28	9.44		1	0.98	4.32	mg/kg	FE053676.D
Total AliphaticEPH	Total AliphaticEPH	57.1			3.52	8.63	mg/kg	
Total EPH	Total EPH	57.1			3.52	8.63	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053676.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.44		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.7	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.9		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1961-01	Acq On:	06 May 2025 19:03
Client Sample ID:	EO-01-050525	Operator:	YP\AJ
Data file:	FE053676.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.752	624891	4.51	300	ug/ml
Aliphatic C12-C16	6.753	10.201	3902758	27.522	200	ug/ml
Aliphatic C16-C21	10.202	13.575	3602158	24.78	300	ug/ml
Aliphatic C21-C28	13.576	17.244	10621863	74.71	400	ug/ml
Aliphatic C28-C40	17.245	22.131	92857924	719.555	600	ug/ml
Aliphatic EPH	3.110	22.131	111609594	851.076		ug/ml
ortho-Terphenyl (SURR)	11.862	11.862	4055078	22.48		ug/ml
1-chlorooctadecane (SURR)	13.307	13.307	3237994	23.95		ug/ml
Aliphatic C9-C28	3.110	17.244	18751670	131.522	1200	ug/ml